SUDEYKIN, V.A.; KHARLAMOV, V.P.; SUDEYKINA, M.V.

Studying the migration of gray rats by means of radioactive tracers in a large city. Zool. zhur. 41 no.9:1409-1412 S '62. (MIRA 15:11)

1. Moscow Urban Disinfection Station and Medical Service of the Military Marine Fleet.

(Animal migration) (Moscow-Rats)

SHURA-BURA, B.L.; KHARLAMOV, V.?.

Autoradiography as a method of tracing labeled redents and their ectoparasites in studying migration problems. Zool. zhur. 40 no. 2:258-263 F '61. (MIRA 14:2)

1. Department of Epidemiology, S.M. Kirov Military Medical Academy (Leningrad).

(Animals, Marking of) (Autoradiography)

(Parasites—Rodentia)

sov/16-59-6-39/46

17(2,9)

Kharlamov, V.P.

AUTHOR: TITLE:

The Possibility of Using Fish From Far East Fisheries for Preparing

Bacteriological Nutrient Media. Author's Summary.

PERIODICAL:

Zaurnal mikrobiologii, epidemiologii i immunobiologii, 1959, Nr 6,

p 132 (USSR)

ABSTRACT:

Studies were made of the ability of fish enzymes to break down the proteins of fish from Far East Fisheries and of the possibility of using the products of this splitting process in preparing nutrient media. The fish studied were, among others, flounders and mackerel, also test samples of food fish protein from the Belkovyy zavod (Protein Plant) of the Putyatinskiy rybokonservny kombinat (Putyatino Fishcanning Kombinat). The fish digest was prepared as follows: the fish were beheaded, detailed and gutted, carefully washed, placed in water (2 liters of water per kg of fish) and boiled for 5 minutes. The fish broth was filtered through gauze and cooled to 40-30°C. The bones were removed from the fish which was then put through mincer and covered with the broth. To this was added the gastric or intestinal stuffing and chloroform. The time taken to effect full break-down of protein

Card 1/2

CIA-RDP86-00513R000721820019 APPROVED FOR RELEASE: 09/17/2001

SOV/16-59-6-39/40

The Possibility of Using Fish From Far East Fisheries for Preparing Bacteriological Nutrient Media. Author's Summary.

was taken as the index to the fish ferments' activity. The ready media were checked for the number of colonies (and their content) and the preservation of biochemical and serological properties on the part of various bacterial strains after 10 sub-cultures on the media. The strains tested were: Salmonella typhosa, Salmonella paratyphi, Shigella flexneri and Escherichia coli. The results of the tests showed that the fish enzymes broke down the fish protein quite satisfactorily and could therefore be used for preparing peptone from fish. The fish digests also proved quite satisfactory for the preparation of bacteriological nutrient media.

ASSOCIATION:

Voyenno-meditsinskaya ordena Lenina akademiya imeni Kirova (Order of Lenin

Military Medical Academy imeni Kirov)

SUBMITTED:

May 22, 1958

Card 2/2

KHARLUMEV, V. P.

Plodovo-iagodnyi sad Krasnorechenskogo sovkhoza Fruit and berry orchard of Krasnorechensk State Farm. Khabarovsk, 1953. 28 p.

CO: Honthly List of Russian Accessions, Vol. 6, No. 5, August 1953

KHARLAMOV, V. F., Cand Agr Sci -- (diss) "Fertilization of fruit-berry crops in the sod-podsolic zone." Moscow, 1960. 18 pp; (Moscow Order of Lenin Agricultural Academy im K. A. Timiryazev); 120 copies; price not given; list of author's works on pp 17-18 (15 entries); (KL, 17-60, 164)

KHARLAMOV, V.P., kand.sel'skokhozyaystvennykh nauk

Expand the acreage of forage lupine in White Russia. Zemledie 24 no.3:49-51 Mr '62. (MIRA 15:3)

1. Zaveduyushchiy Pruzhanskim gosudarstvennym sortoispytatel'nym uchastkom plodovo-yagodnykh kul'tur.
(White Russia--Lupine)

EARLSSAMOV, Nikolay Filippovich; EHARLAR OV, V.A., red.

[Erecting apartment houses with built-up roofs in Yebutiin]
Voovedenie zhilykh zdanii s sovmeshchemyzi kryshani v
lakutti. IAkutsk, IAkutskoe knizhnee izi-ze, Ifal. 78 p.

(MINA 17:8)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721820019-1

SOV/127-58-2-25/26

AUTHORS:

Belash, F.N., Doctor of Technical Sciences, Professor; Delitsina, G.B., Karmazin, V.I. and Kharlamov, V.S., Candidates

of Technical Sciences, Azarov, A.L., Dolotova, I.A. and

Rovenskiy, I.I., Engineers

TITLE:

The Concentration and Agglomeration of Minerals in North-Western Regions of the USSR (Obogashcheniye i aglomeratsiya poleznykh iskopayemykh Severo-Zapadnykh rayonov SSSR). Leningrad, Mekhanobr, 1957, vol. 102, 344 pp. with illustrations. Circulation 1,700. Price 12 rubles. (Leningrad, Mekhanobr, 1957, vyp. 102.344 str.s ill. Tirazh 1,700. Tsena 12 rub.)

PERIODICAL:

Gornyy zhurnal, 1958, Nr 12, pp 67 - 69 (USSR)

ABSTRACT:

This is a review of the above mentioned book by F. N. Polar A at al

Card 1/1

BELASH, F.N., prof.; KHARLAMOV, V.S., kand. tekhn.nauk KIRNOSOV, E.G., inzh.

Middlings of the Kamsh-burun factory as a subject for gravity concentration. Izv. vy.3. ucheb. zav.; gor. zhur. no.4:146-151 '61. (MIRA 14:6)

1. Rekomendovana kafedroy obogashcheniya poleznykh iskopayemykh Krivorozhskogo gornorudnogo instituta. 2. Krivorozhsk y gornorudnyy institut (for Belash, Kharlamov, Kirnosov,.
3. Kamyshburunskiy zhelezorudnyy kombinat (for Burova).

(Kerch Peninsula--Ore dressing)

KHARLAMOV, V. S., Cand Tech Sci -- (diss) "Investigation of the carbon flotation in electrolytes." Len, 1957. 15 pp. with grachs. (Min Higher Ed USSR, Leningr Order of Lenin and Labor Red Banner Min Inst im G. V. Plekhanov, Chair Engish Min Resources). (KL, 9-58, 120)

- 102 -

KHARLAMOV, VS.

137-1958-3-4526

. Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 7 (USSR)

Kharlamov, V.S. AUTHOR:

TITLE:

On Possible Causes Producing Flotation of Minerals by Means of Electrolytes (O vozmozhnykh prichinakh, vyzyvayushchikh

flotatsiyu mineralov elektrolitami)

Obogashcheniye rud, 1957, Nr 2, pp 25-30 PERIODICAL:

ABSTRACT:

In order to explore the causes of flotation of minerals by electrolytes (E), experimental flotation of galenite, molybdenite, pyrite, calcite, and other minerals was carried out in solutions of Na2SO4, NaCl, and NaNO3. Simultaneously, experiments were performed to determine the froth-producing qualities of all the E's mentioned. Experiments showed that galenite, pyrite, and other similar minerals are not floatable by any of the E's tested. Talcum, S, and others are floatable by all frothing E's. It may also be stated that the formation of froth is not a determining cause of flotation by an E, and it must be recognized, therefore, that the presence of salts reduces the hydrophile properties of the surface, and that it is this fact which is the primary cause of flotation. It may be assumed that the E, while

Card 1/2

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On Possible Causes Producing Flotation of Minerals (cont.)

changing the properties of the double electrical surface film, also changes the degree of its hydration. The occurrence of dehydration may be explained by the phenomena taking place on the surface and consisting only in changes in the electric properties of the latter, and by the changes of the liquid phase throughout the entire volume. This change of properties in the liquid phase of the volume is one of the factors responsible for flotation by an E. The last assumption is in accord with data obtained from flotation experiments. A. Sh.

KHARLAMOV, V.S., kand.tekhn.nauk

Comparing the industrial indices of coal flotation in electrolytes and with sulfonated kerosene. Izv.vys.ucheb.zav.; gor.zhur. no.1:138-143 160. (MIRA 13:6)

1. Krivoroshskiy gornorudnyy institut. Rekomendovana kafedroy obogazhcheniya poleznykh iskopayemykh.

(Coal preparation) (Flotation-Equipment and supplies)

EMARLAMOV, V.S., kund. tekhn. nauk

Demulfuration of coals by saline flotation. Shor. nauch. trud.

KGR1 no.1C:349-350 *61

(MIRA 17:8)

KHARLAMOV, V.S., kand.tekhn.nauk

Application of varying statistics to technological sampling of iron quartzites. Izv. vys. uch. zav.; gor. zhur. 5 no.6:188-193 '62. (MIRA 15:9)

1. Krivorozhskiy gornorudnyy institut. Rekomendovana kafedroy obogashcheniya poleznykh iskopayemykh.

(Ores--Sampling and estimation) (Iron ores)

KHARLAMOV, V.S. Accuracy in the determination of technological indices of iron quartizate drossing. Obog.rud 7 no.1:45-48 '62. (MIRA 15:3) 1. Krivorozhskiy gornorudnyy institut. (Ore dressing) (Iron ores)

BELASH, F.N.; KAMENEV, P.Ya.; FAYNSRTEIN, E.G.; KHARLAMOV, V.S.; ZAYTSEV, I.F.

Radiometric dressing of pieces of iron ore. Sbor. nauch. trud. KGRI no.13:208-211 62. (MIRA 16:8)

1. Krivorozhskiy gornorudnyy institut (for Kharlamov).
2. Ukrainskiy proyektno-konstruktorskiy i nauchno-issledovatel-skiy institut po obogashcheniyu i briketirovaniyu ugley (for Zaytsev).

(Iron ores) (Ore dressing)

(Iron ores) (Ore dressing) (Radioisotopes—Industrial applications)

KHARLAMOV, V.S., dotsent, kand. tekhn. nauk Efficient flow sheets for the dressing of Belozerka deposit iron ores. Sbor. nauch. trud. KGRI no.17:76-94 163. (MIRA 17:1)

KHARLAMOV, V.S., dotsent, kand. tekhn. nauk; SKOROBOGAT*KO, M.P., inzh. Analysis of the connection between the physical properties

of petrographic varieties of ores and their iron content. Sbor. nauch. trud. KGRI no.17:122-127 163. (MIRA 17:1)

KHARLAMOV, V.S., dotsent, kand.tekhn.nauk; BASS, M.Ya., inzh.

The time of separation in an important parameter for regulating the technological indices of concentration in heavy suspensions. Sbor.nauch.tend. KGRI no. 21:247-251 (MIRA 17:7)

SHINKORENKO, Stanislav Fedorovich; MARGULIS, Vladimir Solomonovich; NIKOLAYENKO, Viktor Pavlovich; KHARLAMOV, Vadim Sergeyevich; DROZHILOV, Lev Aleksandrovich; GUBIN, Georgiy Viktorovich; OSTAPENKO, Pavel Yefimovich; KARAMZIN, V.I., prof., doktor tekhn. nauk, retsenzent; RYKOV, N.A., otv. red.

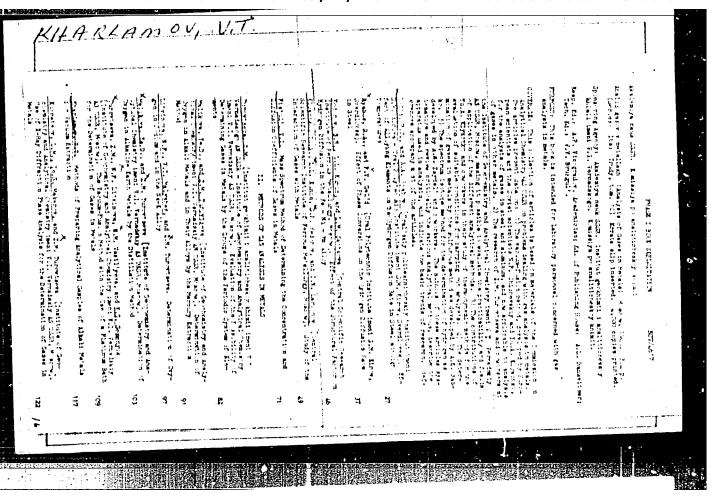
[Handbook on the dressing and sintering of ferrous metal cres] Spravochnik po obogashcheniiu i aglomeratsii rud Chernykh metallov. [By] S.F.Shinkorenko i dr. Moskva, Nedra, 1964. 571 p. (MIRA 18:2)

KHARLAMOV, Vadim Sergeyevich; NIKOLAYENKO, Viktor Pavlovich;
RYKOV, N.A., 61v. red.

[Dressing of ferrous metal ores] Obogashchenie rud chernykh
metallov. Moskva, Nedra, 1965. 239 p. (MIRA 18:4)

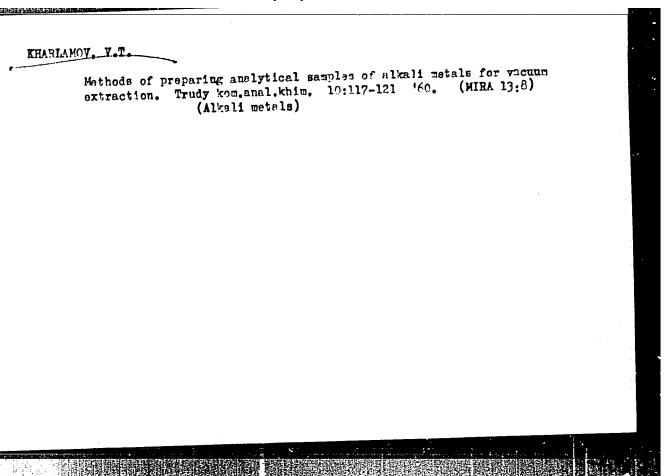
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DYKHOVA, Z.1.; MATYUSHINA, N.A.; MOSKVIMA, M.M.; FROKSFYYEVA, G.F.; KEARLAMOV, V.T.; CHIRKOV, Ye.P.; FORCE, G.; MILIF, I.

[Radioactive icotopes and labeled compounds; a entalog]
Radioaktivnye isotopy i mechenye soedineniia; katalog.
Moskva, Atomizdat, 1964. 341 j. (MIGA 18:1)

1. Sovet ekonomicheskov vzaimopomonbehi. Postovannaya komissiya po ispolizovaniyu energii v mirnykh tselyakh.

PAKHHUTSKIY, F.I., inzh.; OROKHOYSKIY, I.I.; KHARLAMOV, V.V., inzh.;
ROZENFELID, V.Ye., doktor tekhn.nauk; STARCSKOL'SKIY, N.A.,
kand.tekhn.nauk, dots.

Mine haulage by means of high-frequency electric locomotives.
Ugol' 35 no.6:29-33 Je '60. (MIRA 13:7)

1. Dongiprouglemash (Bakhmutskiy, Orokhovskiy, Kharlamov). 2. Moskovskiy energetichsskiy institut (for Rozenfel'd, Staroskol'skiy).

(Mine railroads)

(Electric locomotives)

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BESPROZVANNYY, M.A.; KONONOV, N.F.; KHARLAMOV, V.V.

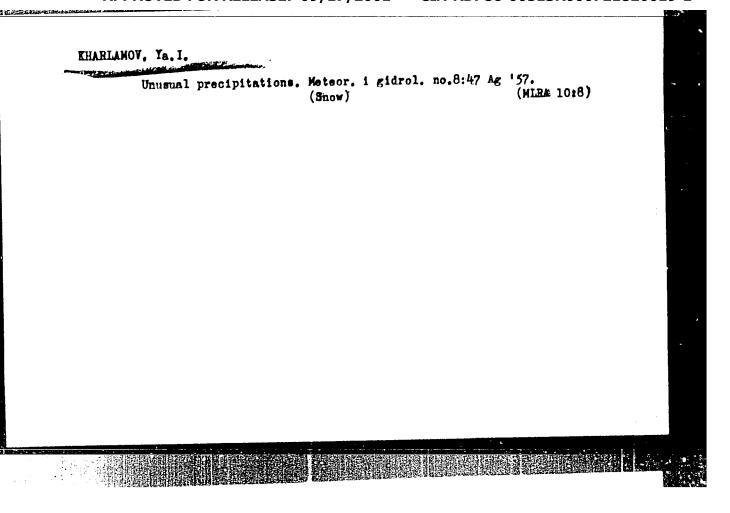
Formation of free radicals in the catalytic reduction of carbon tetrachloride. Izv. AN SSSR. Ser. khim. no.8:1345-1350 '65.

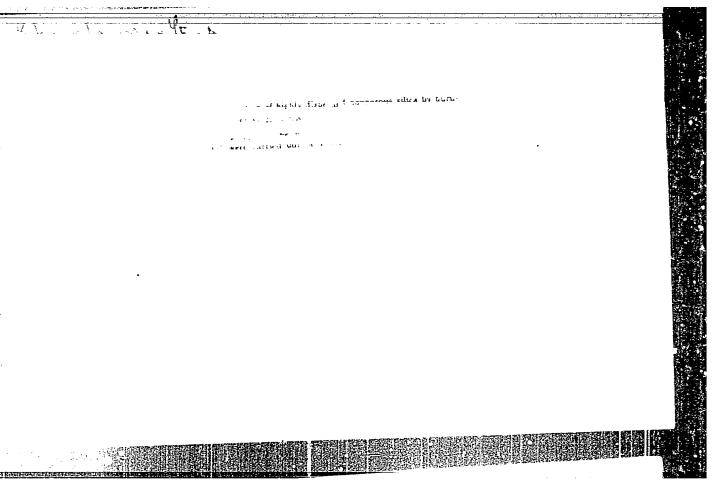
(MIRA 18:9)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

VLASENKO, V.M.; PISAREV, V.F.; SOBOLEVA, A.S.; KHARLANOV, V.V.; YUZEFOVICH, G.Ye.

Industrial catalytic purification of a nitrogen-hydrogen mixture by the removal of carbon monoxide and carbon dioxide. Khim. prom. nc.8:583-586 Ag '63. (MIRA 16:12)





SOURCE CODE: UR/0114/66/000/000/ AF6029619

AUTHOR: Sennichenko, M. D. (Candidate of technical sciences); Vinnik, I. D. (Candidate of technical sciences); Kharlamov, Ye. G. (Engineer)

TITLE: Discharge coefficient of turbine nozzle cascades under static and dynamic conditions

SOURCE: Energomashinostroyeniye, no. 8, 1966, 15-17

TOPIC TAGS: turbine nozzle diaphragm, gas turbine, turbine design, fluid discharge coefficient, gas turbine, nozzle flow, turbine cascade

ABSTRACT: To verify thermal calculations of gas turbines produced at the Leningrad plant, the plant's aerodynamics laboratory is systematically conducting tests to determine flow discharge coefficients for turbine nozzle cascades. The results of an experimental investigation of the discharge coefficients of nozzle cascades with the blade geometry shown in Fig. 1 and Table 1 are presented. Tests were conducted at flow Mach numbers M = 0.3-0.9. The obtained results show that: 1) The discharge coefficient of a nozzle cascade, in contrast to the velocity coefficient, is very sensitive to changes in the shape of the cascade's geometric parameters and the structural and gasdynamic conditions at

Card 1/3

UDC: 62-226,004.15

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Table 1. Geometric characteristics

CIA-RDP86-00513R00072182001

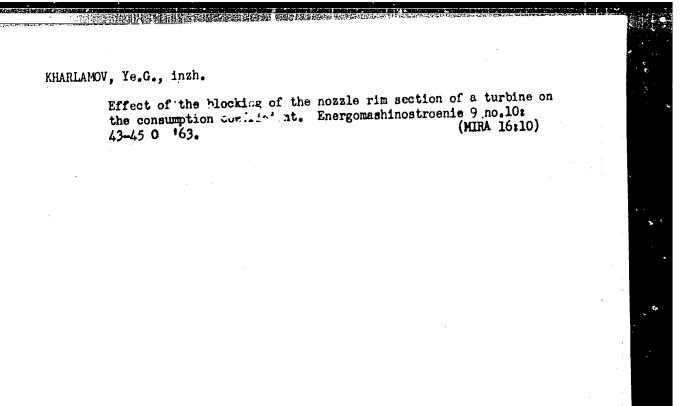
of the blades tested.

Blade no.	õ	ē	i	7	βδ
.2 .3 .4 .5	3,0·10 ⁻³ 3,4·10 ⁻³ 2,61·10 ⁻³ 2,62·10 ⁻³ 1,7·10 ⁻³	0.160 0.228 0.176 0.169 0.177	1,91 1,88 1,93 1,90 1,36	0,47 — 1,05 0,50 — 1,05 0,65 — 1,13 0,74 — 1,3 0,60 — 0,87	42° 30′ 48° 30′ 52° 51° 10′ 43°

Fig. 1. Shape of nozzle blades tested.

the cascade inlet and exit. 2) To determine the maximal flow rate through a nozzle cascade, it is necessary to have its experimental characteristics. 3) Reliable flow discharge coefficient data can be obtained by wind-tunnel tests of annular cascades using the integral method, while maintaining geometric and gasdynamic similarity at the inlat and exit. 4) Additional investigation is needed to improve the

Card 2/3



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SAVCHENKO, V.F.; KHARLAMOVA, A.I., mladshiy nauchnyy sotrudnik

Operation of a device for rapid determination of the technical ripeness of green peas. Kons. i ov. prom. 14 no.7:41-42 J1 159.

(MIRA 12:9)

l. Ispolnyayushchiy obyazannosti zaveduyushchego laboratoriyey ovoshchnogo i plodo-yagodnogo syr'ya Belorusskogo nauchno-issladovatel'skogo instituta pishchevoy promyshlennosti (for Savchenko). 2. Laboratoriya ovoshchnogo i plodo-yagodnogo syr'ya Bleorusskogo nauchno-issledovatel'skogo instituta pishchevoy promyshlennosti (for Kharlamova).

(Peas)

SAVCHENKG, V.F.; PCLYAKOVA, N.A.; GOMBLIKO, A.M.; KHARLAMOVA, A.I.

Promising varieties of vegetable cultures for the canning industry of White Russia. Trudy BNIIPPT no.4:145-150 *61.

(MIRA 17:10)

_L_1\172-66	1.
ACC NR: AP6003935 SOURCE CODE: UR/0374/65/000/005/0003/0012	
AUTHOR: Sukhareva, L. A. (Hoscow); Voronkov, V. A. (Moscow); Kalinina,	
L. Ye. (Moscow); Kharlamova, A. H. (Moscow); Zubov, P. I. (Moscow);	
Vorontsova, O. I. (Hoscow)	
ORG: none	
TITLE: Investigation of elastomers on the basis of binary and ternary	<u>.</u>
systems	
SOURCE: Mekhanika polimerov, no. 5, 1965, 3-12	
TOPIC TAGS: elastomer, synthetic rubber, polyamide, polyvinyl chloride, physical observery property acid markenical property demogrations property	
ABSTRACT: Physicomechanical and thermophysical properties of elastomers on the basis of binary and ternary systems with different ratios of	
nolvamide nolvyinyl chloride (PVC), and rubber have been investigated.	
The binary and ternary systems with optimal physicomechanical properties	
were chosen on the basis of composition property diagrams. A nonmonot- onous change of physicomechanical properties of films with a certain	
ratio of the PVC and nitrilo-acrylic acid was observed and is ascribed	
to chemical interaction. It was shown that stabilization of mechanical properties of polyamide in thermal aging can be accomplished by combin-	

ation with binary systems. Orig. art. has: 11 figures and 1 table. [Based on author's abstract].								
UB CODE:11	07/ SUBM	DATE:	05Apr65/	ORIG REF	: 008/	OTH REF:	002	
Card 2/2		,					r	

KAGAN, Ye.G.; KLEBANSKIY, A.L.; KHARLAMOVA, A.V.

Synthesis of some ethoxysilanes and disiloxanes with 3,3,3-trifluoropropyl groups. Zhur.ob.khim. 33 no.2:704-705 F '63. (MIRA 16:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo kauchuka imeni S.V.Lebedeva.

(Sillicon organic compounds) (Propane)

<u>kathiri (v., 1. 3.,</u> 150 fem., 1. 3.,

Geography & Geology

Street directory of the city of Moscow. Moskva, Ind-vo Ministerstva Kommunal'nogo khoziaistva RUFSR, 1951.

Monthly List of Russian Accessions, Library of Congress, June, 1952 UNCLASSIFIED.

L 08321-67 IJP(c) JD EWT(m)/EWP(t)/ETI ACC NR: AR6033783 SOURCE CODE: UR/0058/66/000/007/D098/D098 19 Yegorova, L. A.; Ivashevskiy, S. N.; Kharlamova, G. N. AUTHOR: Testing spectral tubes with natural krypton TITLE: SOURCE: Ref. zh. Fizika, Abs. 7D783 REF SOURCE: Tr. in-tov Gos. kom-ta standartov, mer i izmerit. priborov SSSR. vyp 78(138), 1965, 29-31 TOPIC TAGS: krypton, spectral line, wavelength ABSTRACT: Results of investigations of the radiation of spectral lamps filled with natural krypton are described. The values of wavelengths of eight lines of the visible region of the spectrum of natural krypton are obtained through comparison with the primary reference wavelengths of the orange Kr86 line. [Translation of abstract] SUB CODE: 20/ Card 1/1 not

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721820019-1

Bilaidimidva, h. R.

USSR/Chemistry - Electrolytes Chemistry - Calvanotechnics

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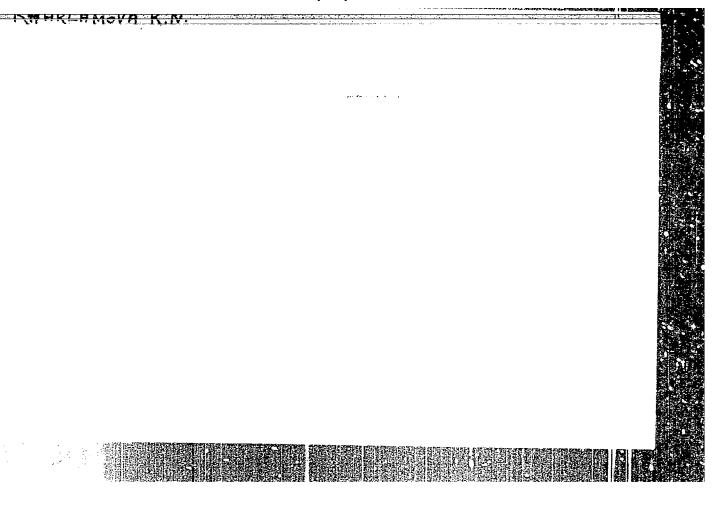
"Electrolytic Line Plating in Line Electrolytes at High Current Densibles," N. T. Rudrynvtsev, A. I. Lipevetskaya, K. M. Aberleseve, Lab of Gelvessches Letel Plating Sec MIRhILSH, 7, pp

"Zhur Frik Khim" Vol XXII, No 4

Effect of special additions and mixing in sincate electrolytes on the limit or permissible cathode current density and the diffusion capacity of the bath was investigated. Only additions of Sn, Pb, and Hg have positive effects. Mixing increased the upper limit of permissible cathode current density.

Submitted 8 Apr 48

60/49T29



THE STATE OF THE PROPERTY OF T

MORKHOV, M.I., kandidat tekhnicheskikh nauk; KHARLAMOVA, K.N., mladshiy nauchnyy sotrudnik.

The cohesion of nickel coatings with chemically pickeled, sandblasted steel and mat finish nickel. Sbor.st.NIIKHIMMASH no.15:128-139 *54. (MIRA 10:1)

MORKHOV, M.I., kandidat tekhnicheskikh nauk; KHARLAMOVA, K.N., mladshiy nauchnyy sotrudnik.

Gahesiou of nickel coatings with polished copper, steel, and nickel. Sbor.st.NIIKHIMMASH no.15:140-149 '54. (MIRA 10:1) (Bickel plating)

RHARIAMOVA, K. W. MCRKHOV, M.I., kandidat tekhnicheskikh nauk; KHARLAMOVA, K.N., nladshiy nauchnyy sotrudnik. Porosity of gold coatings and the corrosion of gilded metals. Sbor. st.NIIRHIMMASH no.15:174-195 *54. (MIRA 10:1 (Gold plating-Testing) (Corrosion and anticorrosives) (MIRA 10:1)

MORKHOV, M.A.; KHARLAMOVA C. DOKIN, N.I.

Nickel plating of weights of technical weight sets taking into consideration their given mass. Ism. tekh. no.3:31-33 My-Je '57.

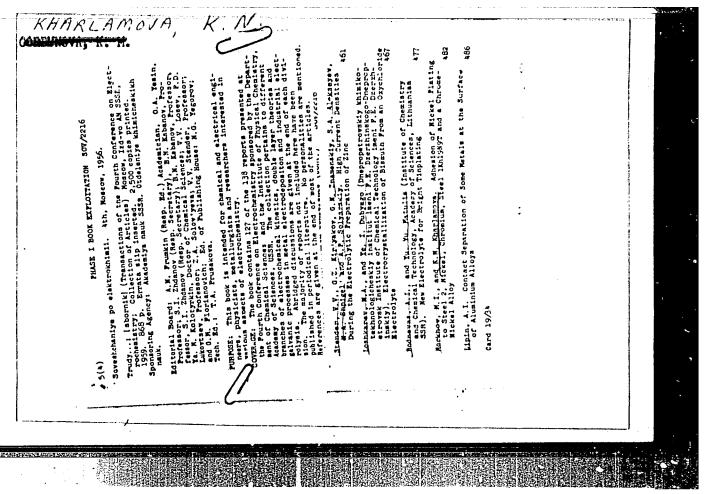
(Weights and measurer) (Nickel plating) (MINA 10:8)

KHARLAMOVA, K.N., Cand Tech oci — (diss) "Cohesion of nickel plating with electrolytic nickel and steel."

Mos 1958, 13 pp. with graphs (Min of Higher Education USSR. Mos Order of Lenin Chem Tech Inst im 10x.D.I.

Mendeleyev) 150 copies (KL, 39-58, 110)

- 47 -



APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721820019-1"

(MIRA 15:6)

MORKHOV, M.I., kand.tekhn.nauk; KHARLAMOVA, K.N., mladshiy nauchnyy sotrudnik. Cohesion between nickel coating and low-carbon sandblasted steel.
Trudy NIIKHI:MASH no.28:24-28 159. (MIRA 15
(Protective coatings) (Steel)

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MORKHOV, M.I., kand.tekhn.nauk.; KHARLAMOVA, K.N., mladshiy nauchnyy sotrudnik; SEMIN, V.M., inzh.

Calvanoplastic production of nickel linings for autoclaves. Trudy NIIKHIMMASH no.28:38-43 *59. (MIRA 15:6) (Autoclaves) (Nickel plating)

KHARIAMOVA, K.N., mladshiy nauchnyy sotrudik; MONKHOV, M.I.; kand.tekhn.

Cohesion between nickel coating and nickel, chromium, low-carbon and stainless steels and chromium-nickel alloy. Trudy NIIKHINGASH no.28:12-24 *59.

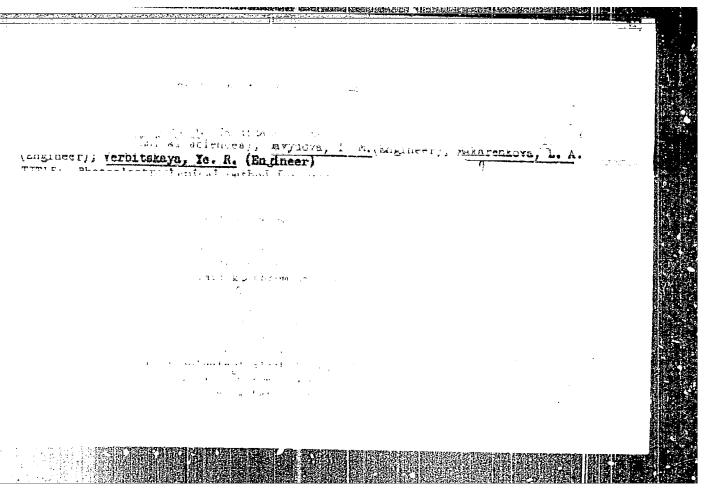
(Protective coatings) (Nickel plating)

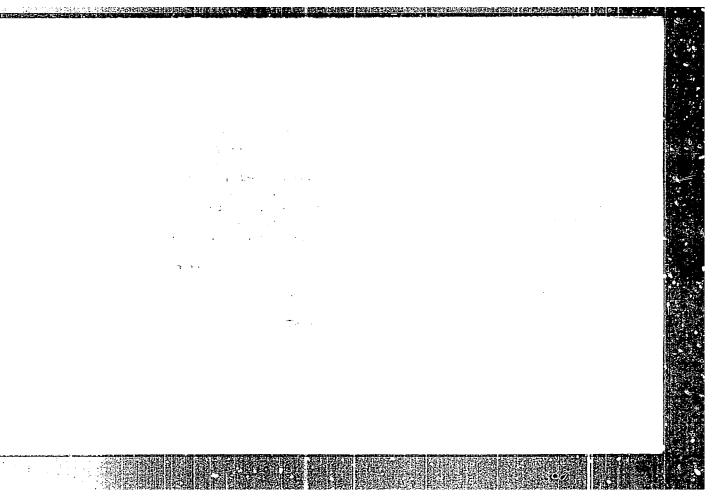
(MIRA 15:6)

MORKHOV, M.I., kand.tekhn.nauk.; KHARLA OVA, K.H., mladshiy nauchnyy sotrudnik.

Porosity of galvanoplastic nickel coatings. Trudy NIIKHREMSH no.28:44-54 159. (MIRA 15:6)

(Protective coatings) (Nickel plating)





APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721820019-1"

SOURCE CODE: UR/0365/65/001/005/0500/0504

AUTHOR: Kudryavtseva, L. V.; Kharlamova, K. N.; Morkhov, M. I.

56

ORG: All-Union Research and Construction Institute of Chemical Machine-Building (Vsesoyuzniy nauchno-issledovatel'skiy i konstruktorskiy institut khimicheskogo mashinostroyeniya)

TITLE: The platinum plating of Ti and Ta electrodes in amino-nitrite electrolytes

SOURCE: Zashchita metallov, v. 1, no. 5, 1965, 500-504

TOPIC TAGS: titanium, tantalum, metal plating, platinum, electrolyte deposition

ABSTRACT: The deposition of platinum on Ti and Ta electrodes was investigated. The electrodes were made of BT-1'Ti and TH-3 Ta, and had dimensions of 1x3x100 mm. These were initially cleaned by degreasing and etching, and subsequently used as anodes in two different amino-nitrite electrolytes, coded I and II: I - Pt (in the form H₂PtCl₆·6H₂O), 10 g/1; NaNO₂, 280 g/1; NH₄NO₃, 100 g/1; NH₄OH (in the form of a 10% solution), 50 g/1; and II - Pt (in the form H₂PtCl₆·6H₂O), 10 g/1; NaNO₂, 100-280 g/1; NH₄OH (in the form of a 10% solution), 1-2%. During platinizing, the

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UDC: 621.357.7

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ACC NR: AP5022657

cathode current density for I and II varied from 2 to 10 amp/dm2, and the temperature from 30 to 90°C . The following variables were studied for electrolytes I and II: the internal stress in the coatings, cathodic potential during deposition, the operative durability of the electrolytic solutions, current efficiency, and the porosity and dispersive quality of the Pt coating. In general, electrolyte II performs better - the optimum platinizing conditions are: temperature, 60-70°C; current density, 2-10 amp/dm² for the platinizing of Ti and 203 amp/dm² for Ta. Curves are given for internal stress (kg/cm²) as a function of temperature of electrolization, and cathode current density. The change in potential with time is also shown for Ti in electrolytes I and II, and for Ta in electrolyte II, both at 70°C and at a current density of 2 amp/dm². Data on the dependence of cathodic potential during platinization in II vs the duration of electrolization for different temperatures is given for Ti. The cathodic potertials decrease with time up to a cut-off point (usually about 2-3 min), while the curve is displaced downwards with increase in temperature. The cathodic potential vs time curve for Ta is higher than that for Ti. The strength of the cohesive Pt coating can be increased by a factor of twenty-five, if the Ti and Ta electrodes are heat treated after platinization. The cohesive strength of Ti changes little in the temperature range 100-700°C (1,2 hrs), but in the interval 750-790°C (1,2 hrs) it increases from 0.3-1.4 kg/mm² to a maximum at

Card 2/3 100

L 6982-66 ACC NR: AP5022657

790°C of 25.4 kg/mm²; then it decreases gradually above 800°C. The above data is for coating thicknesses of 5-7 μ , since thicker Pt coatings tend to crack readily. Orig. art. has: 4 figures, 2 tables.

SUB CODE: GC,MM/ SUBM DATE: 25Mar65/ ORIG REF: 007/ OTH REF: 001

Card 3/3 No

CONTRACTOR OF THE PROPERTY OF

KHARLAMOVA, K.S., EROKHINA, L.S., OBLENSKAIA, V. I.

Geography & Geology

Street directory of the city of Moscow. Moskva, Izd-vo Ministerstva kommunal'nogo khoziaistva RSFSR, 1951.

Monthly List of Russian Accessions, Library of Congress, June 1952. Unclassified.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721820019-1"

KHARIAMOVA, K.S.: YEROKHINA, L.A.: LAVOCHKIN, M.P., redaktor; DUNINA, K.N., redaktor; LIL'YE, A., tekhnicheskiy redaktor

[Moscow street directory; based on data as of April 30, 1955]
Spravochnik ulits Moskvy; po sostoianiiu na 30 aprelia 1955 g.
[Moskva] 1955. 452 p. (MIRA 8:7)

1. Moskovskaya gorodskaya spravochno-informatsionnaya kontora "Mosgorspravka," Moscow. Upravleniya predpriyatiy kommunal'nogo obsluzhivaniya Mosgorispolkoma.

(Moscow-Streets)

YEROKHINA, L.S.; KHARIAHOVA, K.S.; IAVOCHKIN, M.P., otvetstvennyy redaktor; LIL'YE, A., tekhnicheskiy redaktor

[Street directory of Moscow; as of November 1, 1956] Spravochnik ulits Moskvy. Po sostoianiiu na 1 noiabria 1956 g. Sost. L.S. Brokhina i K.S. Kharlamova. Otvet.red. M.P. Lavochkin. [Moskva, Izd-vo "Moskovskii rabochii"] 1956, 494 p. (MLRA 10:1)

HAZAROVA, O.M.; LOKEHINA, M.D.; POGOHELKO, L.V.; TIMYANSKAYA, Ye.A.;
TIKHOMIROVA, T.S.; MODILEVSKAYA, P.A.; KHARLAMOVA, K.S., LAVOCHKIN,
M.P., otvetstvennyy redsktor; LIL'IE, A., tekhnichekkiy redsktor

[Moscow; a concise commercial and cultural directory. As of July 15, 1956] Moskva; kratkaia adresno-spravochnaia kniga. Po sostoianiiu na 15 iiulia 1956. [Moskva] 1956. 495 p. (KLRA 10:1)

POGORELKO, L.V.; KHAHLAMOVA, K,S.; TYMYANSKAYA, Ye.A.; LOKSHINA, M.D.; VIKENT'YEVA, O.V.; LAVOCHKIN, M.P., otv.red.; RACHEVSKAYA, M.I., red.izd-va; GUROVA, O., tekhn.red.

[A concise handbook containing addresses of institutions, enterprises, and organizations concerned with cultural and social services for the population of the city of Moscow] Kratkii spravochnik adresov uchrezhdenii, predpriiatii i organizatsii po kul'turno-bytovomu obsluzhivaniiu naseleniia g. Moskvy. Po sostoianiiu na 25 dekabria 1953 g. Moskva, Izd-vo M-va kommun.khoz. RSFSR, 1954. 255 p. (MIRA 13:10)

1. Moskovskaya gorodskaya spravochno-informatsionnaya kontora "Mosgorspravka," Moscow.

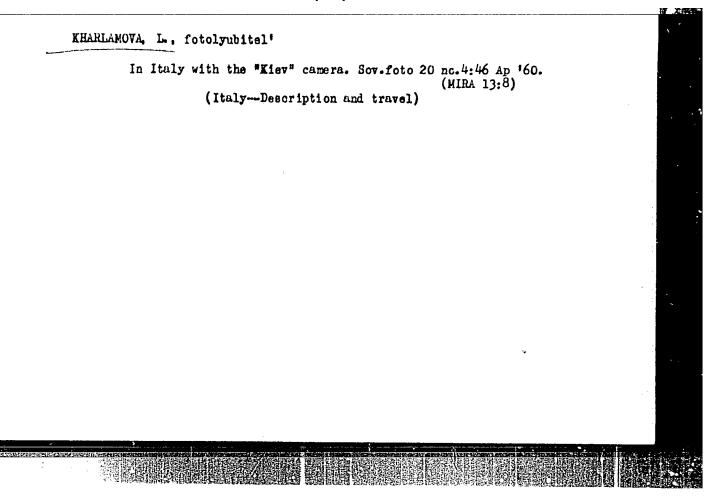
(Moscow--Directories)

KHARLAMOVA, K.N., kand.tekhn.nauk; MORKHOV, M.I., kand.tekhn.nauk; NOVIKOV, O.P., inzh.; KORYAGINA, V.V., inzh.

Purification of nickel and copper plating electrolytes by the separation method. Khim.mash. no.2:23-26 Mr 62.

(MIRA 15:3)

(Nickel plating) (Copper plating) (Electrolytes)



KHARLAMOVA, L.P.; PRONINA, G.Ye., starshiy inzh.

Using new types of strips for spinning machinery. Tekst.prom. 22 no.1:43-44 Ja '62. (MIRA 15:2)

 Zaveduyushchiy laboratoriyey fabriki imeni Lakina (for Kharlamova).
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BOGOLYUBOV, B.P., professor, doktor tekhnicheskikh nauk; KHARLAMOVA, L.V., gornyy inzhener.

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1. Moskovskiy institut tsvetnykh metallov i zolota imeni Kalinina. (Strip mining)

SUKHANOVSKIY, S.I.; AKHMINA, Ye.I.; YEVSTIFEYEVA, E.B.; KHARLAMOVA, M.V.

Chemical composition of the organic and ash parts of hydrolysis
lignins. Gidroliz. I lesokhim. prom. 18 no.5:15-17 '65.

(MIRA 18:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidroliznoy
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BRUK, A. M., Docent; VIL'YANDKIY, M. P.; VOROB'YEVA, A.; KHARLATOVA, M. Heart - Diagnosis

Methods of experimental contrast angiocardiography. Yest. rent. i rad. No. 1, 1953.

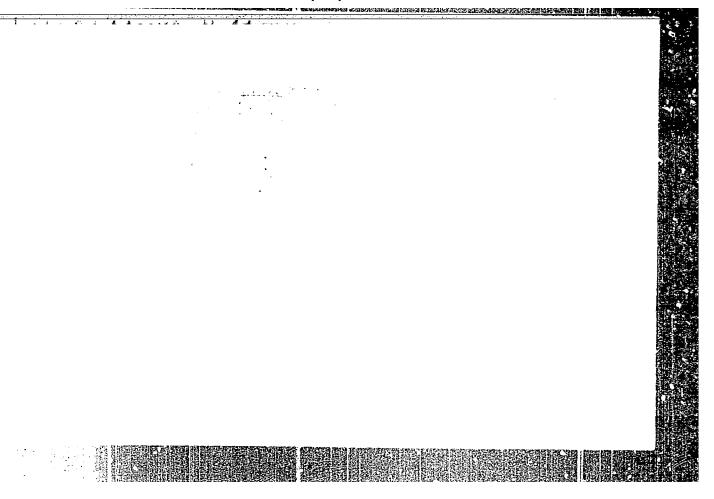
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KLIMOVA, O.M.; KURAS, A.M.; STEPANOV, V.V.; KHARLAMOVA, N.I.

Synthesis of polyvinylene glycol derivatives. Zhur.prikl. khim. 37 no. 5:1152-1155 My '64. (MIRA 17:7)

1. Leningradskiy Tekhnologicheskiy institut imeni Lensoveta.



APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721820019-1"

KHARLAMOVA, N.T.

Synoptic and climatic characteristics of fogs in the Nikolaev region. Trudy UkrNIGMI no.32:36-40 '62. (MIRA 16:11)

KHARLAMOVA, N.V.

136-6-10/26

AUTHOR: Vorob'yev, G.M. and Kharlamova, N.V.

TITIE: Micro-structure of Aluminium with Different Silicon and Iron Contents. (Mikrostruktura alyuminiya pri razlichnom

soderzhanii kremniya i zheleza)

PERIODICAL: Tsvetnyve Metally, 1957, No.6, pp. 48 - 52 (USSR)

ABSTRACT: Little work has been done on the deleterious effect of silicon on the properties of aluminium and the considerable number of researches on the corresponding effect of iron have been mainly on such high-silicon and high-iron systems that the results are not entirely relevant to technical aluminium. In the present work the character of the structural components of the following alloys was studied by micro-structural examination (photo-micrographs are shown): Al - 2% Fe, Al - 2% Fe - 0.1% Si, Al - 1% Fe - 0.3% Si and Al - 0.3% Fe - 1% Si. The alloys were prepared by two methods: that of Lavrov and that of casting into chill moulds, from AVOOO grade aluminium and Al-Fe and Al-Si alloys. The thin-walled ingot moulds used in the Lavrov dipping method were pre-heated to 500-550 °C, the chill moulds to 100-110 °C. In hype-eutectic alloys without silicon a very fine eutectic structure was obtained. The structure coarsened as 0.1 to 0.3% silicon was added both to hypo- and also to hyper-eutectic alloys, partial or complete

Micro-APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-Q8513R000721820019 with Different Silicon and Iron Contents.

transformation of the eutectic into needle-like formations of the ferruginous component being obtained with the latter when chill-mould cast. All types of primary aluminium are hypereutectic (with respect to iron) and in these the fine eutectic structure is preserved when the iron content is the silicon content; when the converse holds, the eutectic structure is lost and the iron-silicon component assumes the form of coarse needles situated at grain boundaries. The authors suggest that if these changes could explain the tendency of aluminium to hot-crack formation elements capable of modifying the structure of the second phase should be added.

There are 6 figures and 3 Slavic references.

ASSOCIATION: VAMI

AVAILABLE: Library of Congress

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SOV/137-58-7-15909

Mechanical Properties of Al-Zn-Mg-Cu Alloys (cont.)

observed in the variations in $\,\delta\,$ at a given Zn content. 4. An increase in Zn content from 6 to 10% is accompanied by an increase in $\,\sigma_b\,$ and a decrease in $\,\delta\,$. At 10% Zn in certain cases $\,\sigma_b\,$ attains 70 kg/mm² at 7% $\delta\,$.

N. R. effects 3. Manganese--Metallurgical effects 4. Zinc--Metallurgical effects

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"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721820019-1

KHARLAMOVA, N. YA., I. O. ST. NAUCHN. SOTR.

SIL'VESTROV, A. D., KAND. SEL'SKOKHOZYAYSTVENNYKH NAUK AND OSMOLOVSKIY, G. YE., KAND. BIOLOG. NAUK

LENINGRADSKIY NAUCHNO-ISSLEDOVATELISKIY INSTITUT AKADEMII KOMMUNALINOGO KHOZYAYSTVA IM. K. D. PAMFILOVA

EKSPERIMENTALINAYA PROVERKA DOLGOVREMENNOSTI DEYSTVIYA ANYISEPTIKOV, PRIMENYAYEMYKH PRI KAPITALINOM REHONTE ZHILOGO DOMA. PAGE 41

SO: SBORNIK ANNOTATSIY NAUCHNO-ISSLEDOVATEL'SKIKH RABOT PO STROITEL'STVU, MOSCOW, 1951

ALEKSAMENGO, C.A.; FRANKSOVA, C.T.; FACTIONI, V.L.

Production of phthalic anhydrid. Similach, -skr.inform.Cos.nauch.-insl.inst.unuch.i tekh.inform. 12 no.4:0-21 Ac 165.

(MISA 18:4)

KHARLAMOVA, S.

We wish them luck. Zdorov'e 6 no.1:16-17 Ja '60. (HEART--SURGERY)

(MIRA 13:4)

THE PART THE

KHARLAMOVA, S. (Ryazan') In the Ryagan countryside. Zdorovie 6 no.3:7-8 Mr '60.
(MIRA 13:5)

(RYAZAN PROVINCE-COLLECTIVE FARMS)

Before and after illness. Zdorov'e 6 no.8:11-12 Ag '60.

(DYSENTERY)

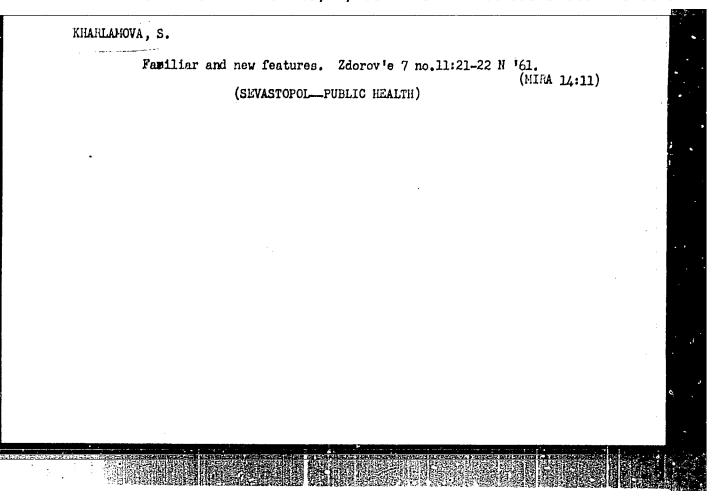
(MIRA 13:8)

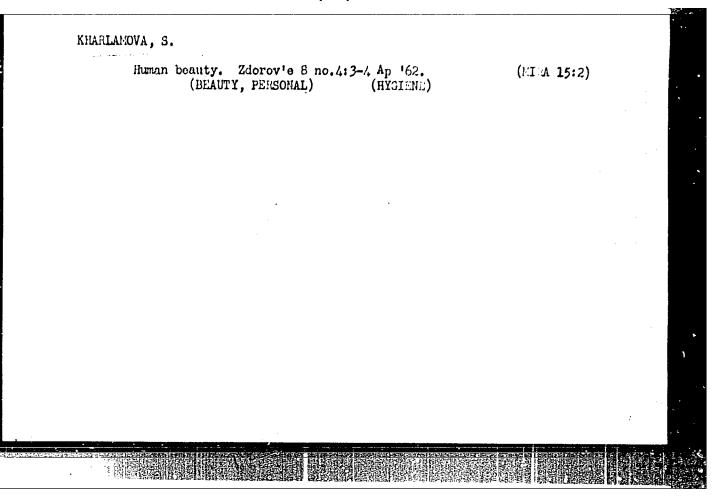
The invisible reveals its secrets. Zdorov'e 6 no.12:7-8 7 '60.

(INFLUENZA) (VIRUS RESEARCH)

(VIRUS RESEARCH)

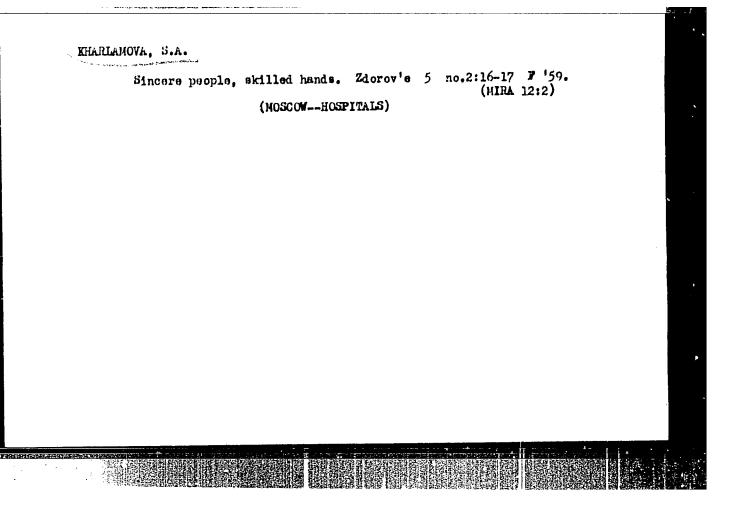
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KHARLAMOVA, S.

First ai'. Ziorov'e 9 no.1:4-5 Ja'63. (MIRA 16:7)
(MOSCOW—AMBULANCE SERVICE)



ABRAMOV, V.V.; KHARLAMOVA, T.I., red.; VERKHOVSKIY, A.V., tekhn.red.

[Investigation of stresses and displacements by means of the method of the dismemberment of a body] Issledovanie napriazhenii i peremeshehenii metodom raschleneniia tela. Gor'kii, Politekhnicheskii in-t, 1960. Lecture 1.[General solution of the problem of calculating stresses and displacements in straight rods] Obshchee reshenie zadachi o vychislenii napriazhenii i peremeshchenii v priamykh sterzhniakh. 12 p. Lectures 2-4.[Tension and compression of a straight rod. Bending of a straight rod. Gold and hot straightening of rods]Rastiazhenie - szhatie priamogo brusa. Izgib priamogo brusa. Kholodnaia i goriachaia pravka sterzhnei. 53 p. (MIFA 17:2)

S/181/60/002/03/09/028 B006/B017

24.7700 AUTHORS:

Kharlamova, T. Ye., Kholuyanov, G. F.

TITLE:

Electrical Properties of Melt p-n Junctions in Silicon

Carbide

PERIODICAL: Fizika tverdogo tela, 1960, Vol. 2, No. 3, pp. 426-433

TEXT: The light-green a-SiC single crystals (n-type) which were necessary for the investigations were supplied by the Zaporozhskiy karborundovyy zavod (Zaporozh'ye Carborundum Works); the resistivity of the crystals was 2 - 2.5 ohm.cm. The production of the element with which the investigations were carried out is described at the beginning. It is schematically shown in Fig. 1. It consisted of several layers of varying diameters of W, Si + WC, n-type SiC, p-type SiC, and Si-Al alloy which fused in hydrogen atmosphere. The current-voltage characteristics of these elements (Figs. 2 - 5) were recorded in the temperature range 20 - 500°C. For the p-n junction, the saturation current was calculated

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Electrical Properties of Melt p-n Junctions in Silicon Carbide

S/181/60/002/03/09/028 BC06/B017

from the formula $I_s = Se \frac{D_p N_c N_v}{L_p n_n} \exp (-E_g/kT)$, where S is the p-n junction

area (in the samples investigated 0.011 and 0.018 cm²), Dp, the hole diffusion coefficient, was assumed to be 0.25 cm²/sec and the electronic mobility np to be 100 cm²/sec.v. The width of the forbidden zone Eg was 2.86 ev. The time constant of the decrease in recombination luminescence for both samples was between 1 and 0.2 µsec, so that with a hole diffusion length between 5 and 0.5 mµ and at 20°C the saturation currents were computed to be between 10-38 and 10-37a. On the basis of measurements of the dependence of the intensity of recombination luminescence on the voltage, the rules governing the increase of the current component due to diffusion with increasing voltage were investigated. For the direct direction in sample 1 it is found that the diffusion component increases proportionally to exp(eV₁/3kT). In these investigations the voltages were below 2.5 v. In the following, a report is given on investigations of the influence exercised by defects and current leakage in p-n junctions on current-

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Electrical Properties of Melt p-n Junctions in Silicon Carbide

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voltage characteristics. In the entire voltage range investigated the reverse current increased with increasing voltage more rapidly than linearly. In the range of strong reverse currents phenomena were observed, which indicated the avalanche-like character of the discharge at the periphery of the p-n junction and in the region of the defects. Finally, capacitance measurements of p-n junctions and their voltage and temperature dependences are described. A possibility of using p-n junctions in silicon carbide as nonlinear condensers is discussed. In conclusion, the authors thank Professor N. P. Bogoroditskiy and V. V. Pasynkov for their interest, as well as E. A. Violin and F. C. Tomashpol'skiy, students of LETI, for their assistance in the experiments. O. V. Losev is mentioned. There are 6 figures and 14 references: 3 Soviet, 7 US, 2 German, and 1 Swiss.

ASSOCIATION:

Leningradskiy elektrotekhnicheskiy institut im. V. I.

Ul'yanova (Lenina) (Leningrad Electrotechnical Institute imeni V. I. Ul'yanov (Lenin))

SUBMITTED:

June 4, 1959

Card 3/3

CIA-RDP86-00513R000721820019-

9,4310 (1139,1150,1159) 15.2420

S/194/61/000/005/048/073 D201/0303

AUTHOR:

Kharlamova, T.Ye.

APPROVED FOR RELEASE: 09/17/2001

TITLE:

Manufacturing technology of silicon carbide rect-

ifying elements

PERIODICAL:

Referativnyy zhurnal. Avtomatika i radioelektronika, no. 5, 1961, 4, abstract 5 D34 (Izv. Leningr. elek-

trotekhn. in-ta, 1960, no. 43, 135-140)

At 18-20°C the width of the forbidden zone of the silicor TEXT: carbide is about 3 eV, the effect being that the rectifying properties of SiC are retained at much higher temperatures than those of Ge and Si. The intrinsic electrical conductivity occurs at temperatures > 1000°C. The intrinsic electrical conductivity of SiC p-n junctions at 20°C is of the order 10⁻¹³ ohm⁻¹ cm⁻¹. The junctions sustain Large reverse voltages at very small reverse currents. The SiC has not liquid phase; the vaporization temperature is about 2500°C. P-n junctions in SiC crystals may be made

Card 1/3

Manufacturing technology...

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taining p-n junctions should be carried out in the atmosphere of purified H₂ which was obtained by the electrolysis method. For containers with calcium chloride. The results of the analysis of the samples obtained will be given in the next article 6 references. Abstracter's note: Complete translation.

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Card 3/3

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24,7800 (1136,1145,1153)

3/058/61/000/005/034/050

AUTHORS:

Kholuyanov, G.F., Kharlamova, T.Ye.

TITLE:

Properties of p = n transitions in silicon carbide

PERIODICAL:

Referativnyy zhurnal. Fizika, no 5, 1961, 292, abstract 5E428 ("Izv. Leningr. elektrotekhn. in-ta", 1960, no 43, 141 - 149)

TEXT: The authors investigated electric properties of molten-in p = ntransitions in SiC. Voltampere and capacitance characteristics were measured in the temperature range from room temperature to 500°C (at heating up to 600°C an irreversible increase of reverse current through the transition was observed). The maximum current density of ~90 amp/cm2 was determined for specimens investigated. The voltampere curves in the back direction have the appearance (in semilogarithmic scale) of a broken line composed of three straight sections with increasing slope. The positions of the deflection points relative to the axis of stresses depends on temperature insignificantly. The experimental data obtained can not be explained with the aid of the simple diode theory. It is assumed that leakage currents play an essential part in transitions from SiC, and the current through the transition in the back direction is determined by them entirely. The Card 1/2

Properties of p-n transitions in silicon carbide

S/058/61/000/005/034/050 A001/A101

form of dependence of the diffusion component of direct current was determined from the voltage dependence of intensity of the yellow-green luminescence in the transition. The results obtained agree well with the estimate of diffusion length of holes, made on the basis of measuring the time constant of luminescence fading. It is assumed that the non-linear growth of reverse current through the transition is, already at low voltages, connected with ionization by the electric field of impurities which are still available in the given temperature range. Electric field intensity, estimated from capacitance measurements, turn-out to be 10° v/cm. Apparently, near various defects of the lattice field intensity is considerably higher. At high voltages at the transition, the growth of current is due to cascade spark-over. Investigations of capacitance characteristics of transitions from SiC have shown that the capacitance of the transition did not practically change with frequency with the range from 0.1 to 75 kc and increased with the temperature rise. It is presumed that p - n transitions from SiC can be utilized as non-linear capacitors in the mode without bias in the back direction.

V. Pokalyakin

[Abstracter's note: Complete translation.]

Card 2/2

ACCESSION NR: APLO13538

5/0181/64/006/202/0642/0644

AUTHORS: Kharlamova, T. Ye.; Tairova, D. A.

TITLE: The effect of radioactive radiation on the properties of silicon carbide

SOURCE: Fizika tverdogo tela, v. 6, no. 2, 1964, 642-644

TOPIC TAGS: radioactive radiation, silicon carbide, p n junction, volt ampere characteristic, transitional photoelectric effect, photosensitivity, impurity, impurity,

ABSTRACT: The authors used electron-type samples of SiC (with alpha modification) with impurity concentrations on the order of 5·1017cm-3. The p-n junctions were prepared by a technique previously described by T. Ye. Kharlamova (Izv. LETI im. V. I. Ul'yanova (Lenina), vywp. XLIII, 135, 1960; and T. Ye. Kharlamova, G. F. Kholuyanov. FTT, 2, 426, 1960). Each crystal was cut into two plates, only one heing exposed to radiation for control. Radiation, varied from 3000 to 28 000 roentgens seemed to effect only insignificantly quantitative changes in the characteristics of the p-n junctions in SiC. Radiation of all p-n junctions

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ACCESSION NR: API:013538

by gamma rays or beta quanta produced definite patterns of changes in the voltampere characteristics. These patterns are shown in Fig. 1. in the Enclosure. Mixed radiation led to the appearance of a transitional photoelectric effect. The p-n junctions in SiC after such irradiation become sensitive to the visible part of the spectrum. The photosensitivity of the p-n junctions was shifted toward the longer wavelengths. This shift may be due to metastable energy levels in the SiC due to the action of gamma rays plus neutrons. Orig. art. has: 1 figure.

ASSOCIATION: Leningradskiy elektrotekhnicheskiy institut im. V. I. Ul'yanova-Lenina (Leningrad Institute of Electrical Engineering)

SUPPLIED: 26Sep63

DATE ACQ: 03Mar64

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SUB CODE: PH

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OTHER: COL

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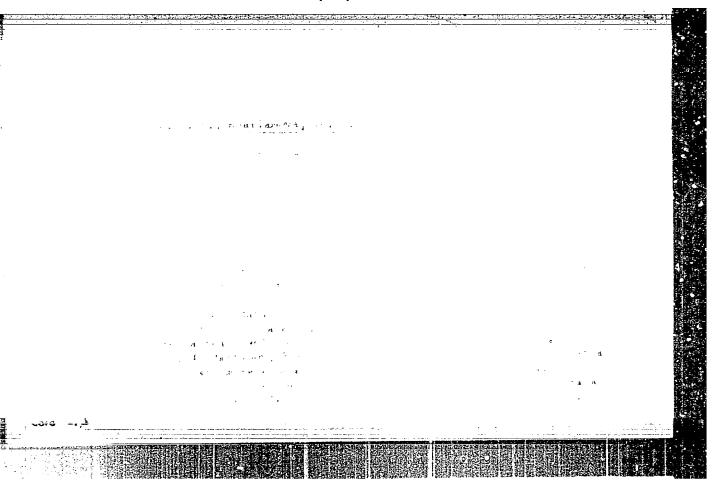
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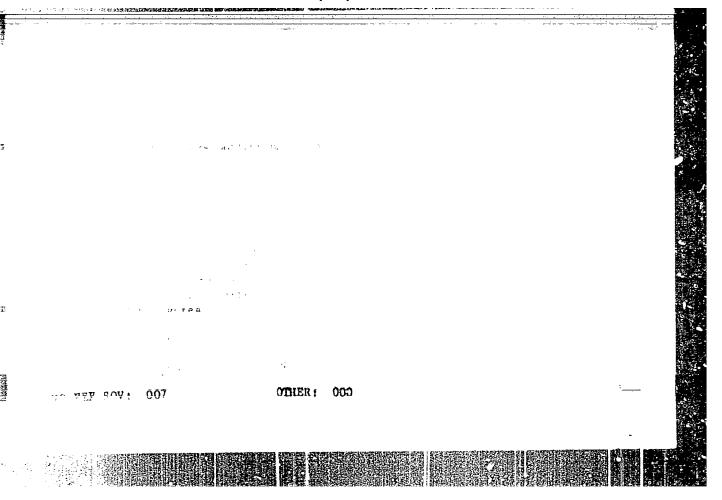
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